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Letter: Meyerhofer

A. J. Mackinnon

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6 January 2011
David D. Meyerhofer
Deputy Director
Laboratory for Laser Energetics
250 E. River Rd.
Rochester, NY 14623

Dear David,

This letter confirms that the Laboratory for Laser Energetics (LLE) was an important part of the FY10 NIF Polar Drive Exploding Pusher experiments on the National Ignition Facility (NIF). These experiments were designed by LLE to produce requested neutron yields to calibrate and qualify nuclear diagnostics. LLE built a deuterium-tritium filling system for the glass shells and provided them to LLNL for mounting. In FY10, four exploding pusher implosions were performed with measured neutron yields within a factor of two of requested and ion temperatures within 20% of requested. These implosions are proving to be an ideal platform for commissioning the nuclear diagnostic suite on the NIF and are achieving all of the objectives planned for this campaign.

Please contact me if I can provide additional information.

Sincerely,

Andrew MacKinnon
Group Leader for Short Pulse Experiments
Inertial Confinement Fusion Program
Lawrence Livermore National Laboratory